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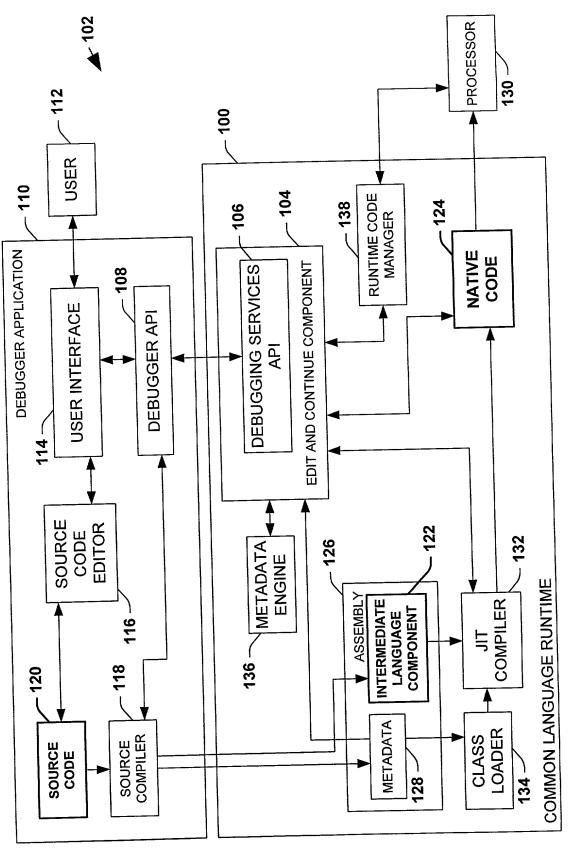


FIG. 3

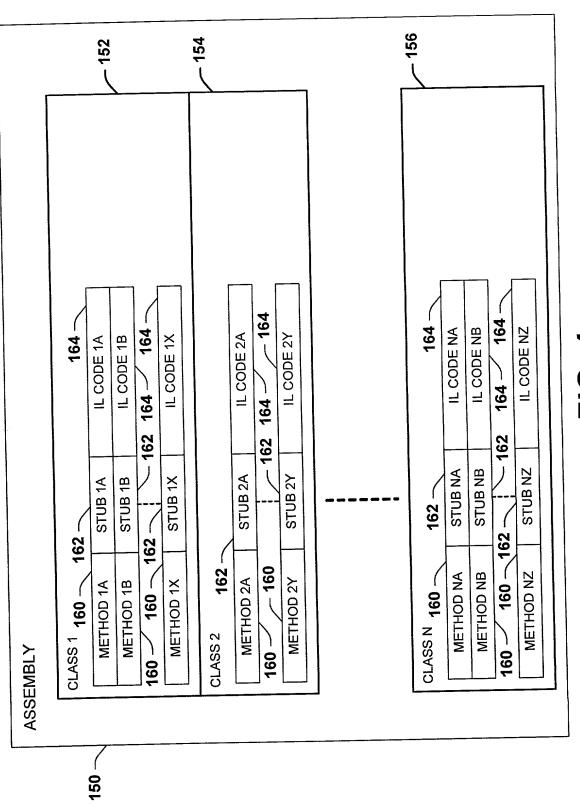


FIG. 4

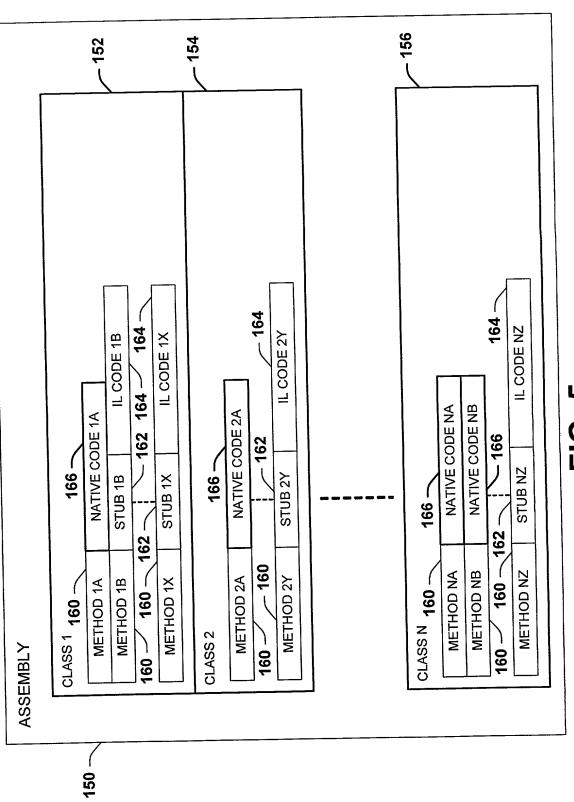


FIG. 5

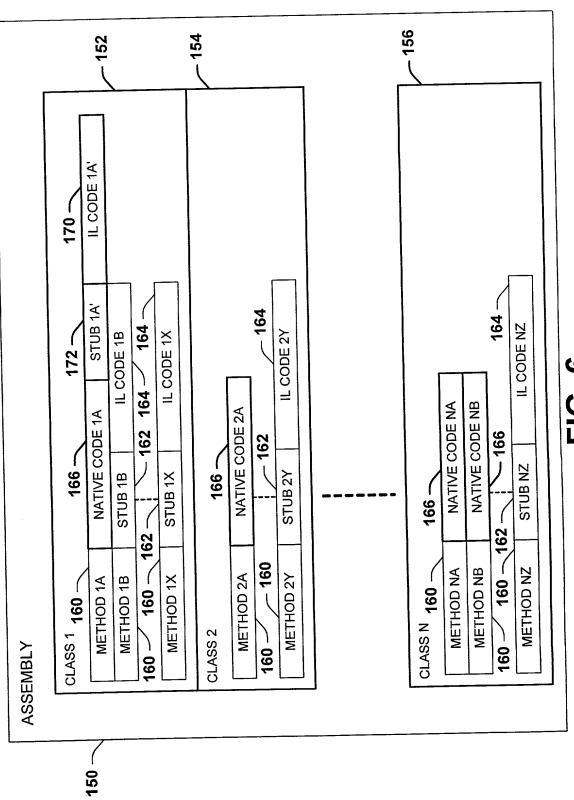


FIG. 6

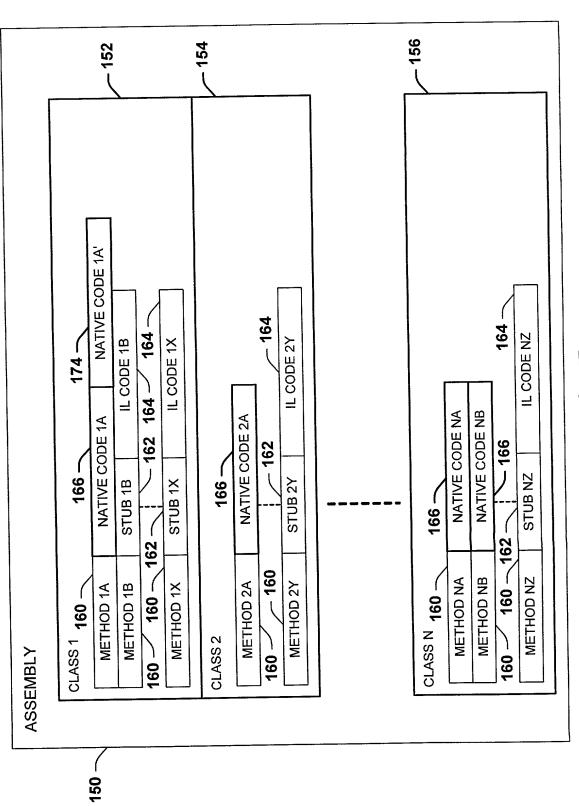


FIG. 7

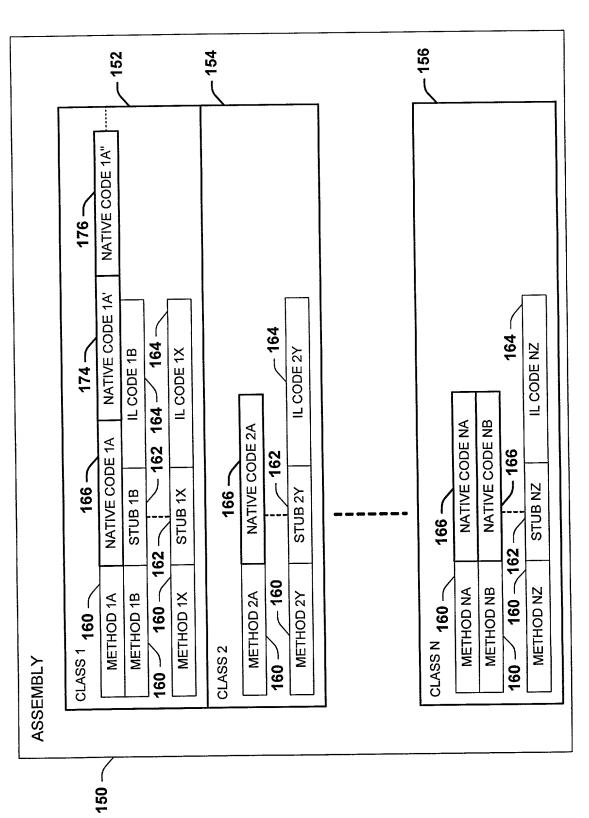


FIG. 8

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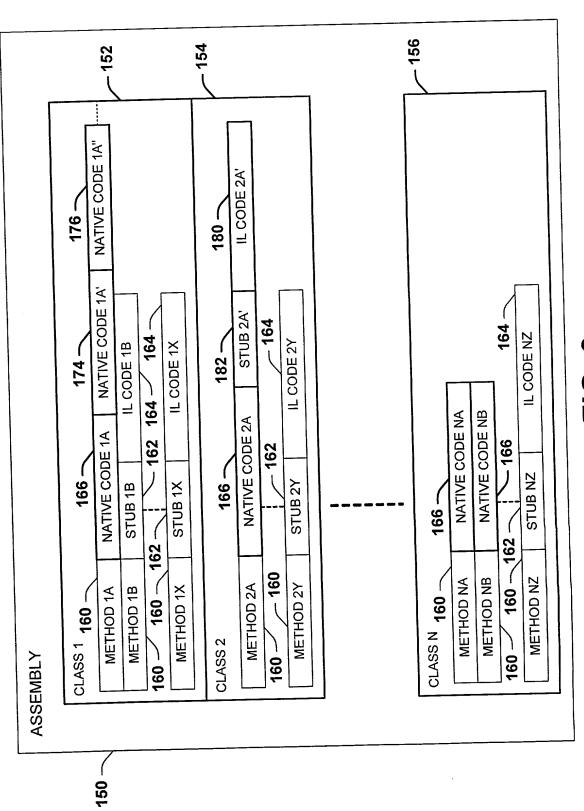


FIG. 9

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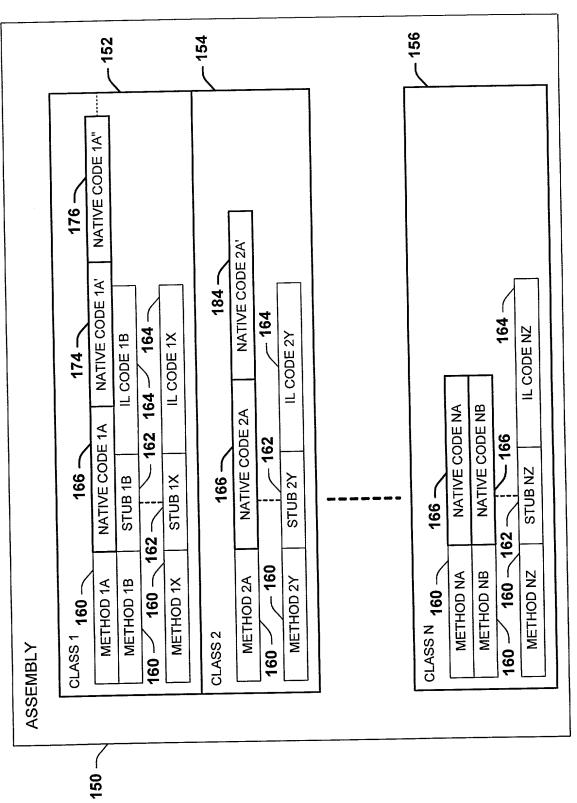


FIG. 10

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202			ADDR 104	ADDR 108	ADDR 112	ADDR 116		▶ 204	ADDR 120	ADDR 124	ADDR 128	ADDR 132		230	ADDR 2988	ADDR 2992	ADDR 2996	ADDR 3000	ADDR 3004	707
	RY VIRTUAL METHOD TABLE CLASS A	FXISTING VIRTUAL METHOD A1	EXISTING VIRTUAL METHOD A2	EXISTING VIBTUAL METHOD A3	EMPTY	EMPTY		VIRTUAL METHOD TABLE CLASS B	FXISTING VIRTUAL METHOD B1	EXISTING VIRTUAL METHOD B2	FMPTY	EMPTY		 , NETHOD TABLE CLASS N	EXISTING VIBTUAL METHOD N1	EXISTING VIRTUAL METHOD N2	EXISTING VIRTUAL METHOD N3	EMPTY	EMPTY	
	200 MEMORY VIRTUAL ME	OTOIS	0 C C C C C C C C C C C C C C C C C C C	SEO	216 SLOI 2		SLOI 4	VIRTUAL M	OTOIS	SI OT 1	224 SEOT 1	226 SLOT 2	35013	 A IAIITAIN	2 C C C C C C C C C	S S S S S S S S S S S S S S S S S S S	SECTO	236 SLO12	238 SIOT 4	()

FIG. 11

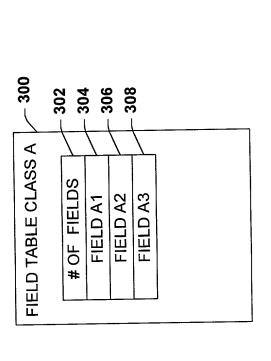
216 SLOT 0 EXISTING VIRTUAL METHOD A2 A SLOT 2 EXISTING VIRTUAL METHOD A2 A SLOT 3 NEW METHOD A4 A EMPTY 218 SLOT 3 NEW METHOD A4 A EMPTY 218 SLOT 0 EXISTING VIRTUAL METHOD B1 A SLOT 1 EXISTING VIRTUAL METHOD B2 A SLOT 2 EMPTY 226 SLOT 1 EXISTING VIRTUAL METHOD N1 A SLOT 0 EXISTING VIRTUAL METHOD N1 A SLOT 1 EXISTING VIRTUAL METHOD N2 A SLOT 2 EXISTING VIRTUAL METHOD N3 A SLOT 3 EMPTY 236 SLOT 3 EMPTY 237 EMPTY 238 SLOT 4 EMPTY 238 SLOT 4 EMPTY	216 SLOT 0 EXISTING VIRTUAL METHOD A1 ADDR 100 SLOT 1 EXISTING VIRTUAL METHOD A2 ADDR 104 SLOT 2 EXISTING VIRTUAL METHOD A4 ADDR 112 218 SLOT 3 NEW METHOD A4 ADDR 112 SLOT 0 EXISTING VIRTUAL METHOD B2 ADDR 124 SLOT 0 EXISTING VIRTUAL METHOD B2 ADDR 128 SLOT 1 EXISTING VIRTUAL METHOD B2 ADDR 128 SLOT 0 EXISTING VIRTUAL METHOD B2 ADDR 128 SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2992 SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2996 SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2996 SLOT 0 EXISTING VIRTUAL METHOD N2 ADDR 2996 SLOT 0 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 0 EMPTY ADDR 3000 236 SLOT 0 EMPTY ADDR 3000 237 SLOT 0 EMPTY ADDR 3000 238 SLOT 0 EMPTY ADDR 3100	000	MEMORY		VIRTUAL METHOD TABLE CLASS A	202	210
SLOT 1 EXISTING VIRTUAL METHOD A2 PSLOT 2 EXISTING VIRTUAL METHOD A4 SLOT 3 NEW METHOD A4 EMPTY EXISTING VIRTUAL METHOD N1 SLOT 1 EXISTING VIRTUAL METHOD N2 SLOT 1 EXISTING VIRTUAL METHOD N3 SLOT 2 EMPTY EMPTY EMPTY EMPTY EMPTY EMPTY EMPTY	SLOT 1 EXISTING VIRTUAL METHOD A3 ADDR 104 SLOT 2 NEW METHOD A4 ADDR 112 SLOT 4 EMPTY ADDR 116 SLOT 0 EXISTING VIRTUAL METHOD B1 ADDR 120 SLOT 1 EXISTING VIRTUAL METHOD B2 ADDR 128 SLOT 2 EMPTY ADDR 128 SLOT 3 EMPTY ADDR 2988 SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2988 SLOT 0 EXISTING VIRTUAL METHOD N2 ADDR 2986 SLOT 1 EXISTING VIRTUAL METHOD N3 ADDR 2986 SLOT 1 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 2 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 3 EMPTY ADDR 3000 SLOT 4 EMPTY ADDR 3000 SLOT 4 EMPTY ADDR 3000 SLOT 4 EMPTY ADDR 3000	7007		SLOTO	EXISTING VIRTUAL METHOD A1	ADDR 100	212
SLOT 2 SLOT 3 NEW METHOD A4 SLOT 4 SLOT 4 SLOT 4 SLOT 0 SLOT 0 SLOT 0 SLOT 1 SLOT 1 SLOT 1 SLOT 1 SLOT 3 SLOT 3 SLOT 0	SLOT 2 SLOT 3 NEW METHOD A4 ADDR 112 SLOT 4 SLOT 4 EMPTY VIRTUAL METHOD TABLE CLASS B SLOT 0 SLOT 0 EXISTING VIRTUAL METHOD B1 SLOT 1 SLOT 0 EXISTING VIRTUAL METHOD B2 SLOT 2 EMPTY ADDR 124 ADDR 124 ADDR 128 ADDR 128 ADDR 128 ADDR 128 ADDR 128 ADDR 298 SLOT 0 EXISTING VIRTUAL METHOD N2 ADDR 298 SLOT 0 EXISTING VIRTUAL METHOD N2 ADDR 2996 SLOT 0 EXISTING VIRTUAL METHOD N3 ADDR 3000 SLOT 0 EMPTY ADDR 3100 XXXX EMPTY ADDR 3100			SI OT 1	EXISTING VIRTUAL METHOD A2	ADDR 104	214
SLOT 3 SLOT 4 SLOT 4 EMPTY VIRTUAL METHOD TABLE CLASS B SLOT 0 SLOT 0 SLOT 0 SLOT 2 SLOT 3 EMPTY SLOT 0 SLOT 1 SLOT 0 SLOT 1 SLOT 0 SLOT 1 SLOT 0 SLOT 1 SLOT 0 SLOT 0 SLOT 0 SLOT 1 SLOT 0 SLOT 1 SLOT 0 SLOT 0 SLOT 0 SLOT 0 SLOT 0 SLOT 1 SLOT 0 SL	SLOT 3 SLOT 4 SLOT 4 SLOT 4 VIRTUAL METHOD TABLE CLASS B SLOT 0 SLOT 0 SLOT 0 SLOT 0 SLOT 1 SLOT 0 SLOT 0 SLOT 0 SLOT 1 SLOT 0			SI OT 2	EXISTING VIRTUAL METHOD A3	ADDR 108	· •
SLOT 4 EMPTY SLOT 0 EXISTING VIRTUAL METHOD B1 SLOT 1 EXISTING VIRTUAL METHOD B2 SLOT 2 EMPTY SLOT 2 EMPTY SLOT 0 EXISTING VIRTUAL METHOD N1 SLOT 1 EXISTING VIRTUAL METHOD N2 SLOT 1 EXISTING VIRTUAL METHOD N3 SLOT 2 EXISTING VIRTUAL METHOD N3 SLOT 2 EXISTING VIRTUAL METHOD N3 SLOT 2 EXISTING VIRTUAL METHOD N3 SLOT 3 EMPTY SLOT 4 EMPTY	SLOT 4 EMPTY ADDR 116 SLOT 0 EXISTING VIRTUAL METHOD B1 ADDR 120 SLOT 1 EXISTING VIRTUAL METHOD B2 ADDR 128 SLOT 2 EMPTY ADDR 128 SLOT 3 EMPTY ADDR 2988 SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2992 SLOT 0 EXISTING VIRTUAL METHOD N2 ADDR 2996 SLOT 1 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 2 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 3 EMPTY ADDR 2996 SLOT 4 EMPTY ADDR 3000 SLOT 3 EMPTY ADDR 3000 SLOT 4 EMPTY ADDR 3000		216	SI OT 3	NEW METHOD A4	ADDR 112	
SLOT 0 EXISTING VIRTUAL METHOD B1 SLOT 1 EXISTING VIRTUAL METHOD B2 SLOT 2 EMPTY EMPTY EMPTY EMPTY EMPTY EMPTY EMPTY SLOT 0 EXISTING VIRTUAL METHOD N1 SLOT 0 EXISTING VIRTUAL METHOD N2 SLOT 1 EXISTING VIRTUAL METHOD N3 SLOT 2 EXISTING VIRTUAL METHOD N3 SLOT 3 EMPTY EMPTY	VIRTUAL METHOD TABLE CLASS B SLOT 0 SLOT 0 SLOT 1 SLOT 1 SLOT 1 SLOT 1 SLOT 2 SLOT 3 EMPTY ADDR 128 SLOT 0 SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2996 SLOT 0 SLOT 0 SLOT 1 EXISTING VIRTUAL METHOD N2 ADDR 3000 SLOT 3 EMPTY ADDR 2996 SLOT 3 EMPTY ADDR 3000 SLOT 4 EMPTY ADDR 3100		218	SLOT 4	EMPTY	ADDR 116	
SLOT 0 EXISTING VIRTUAL METHOD B1 / SLOT 1 EXISTING VIRTUAL METHOD B2 / SLOT 3 EMPTY SLOT 3 EMPTY VIRTUAL METHOD TABLE CLASS N SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N3 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY SLOT 2 EXISTING VIRTUAL METHOD N3 / EMPTY SLOT 3 EMPTY	SLOT 0 EXISTING VIRTUAL METHOD B1 ADDR 120 SLOT 1 EXISTING VIRTUAL METHOD B2 ADDR 128 SLOT 3 EMPTY ADDR 132 SLOT 3 EMPTY ADDR 2988 SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2992 SLOT 1 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 2 EXISTING VIRTUAL METHOD N3 ADDR 3000 SLOT 3 EMPTY ADDR 3004 SLOT 4 EMPTY ADDR 3100			VIRTUAL M			020
SLOT 1 EXISTING VIRTUAL METHOD B2 / SLOT 2 EMPTY SLOT 3 EMPTY VIRTUAL METHOD TABLE CLASS N VIRTUAL METHOD TABLE CLASS N SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 1 EXISTING VIRTUAL METHOD N3 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY SLOT 3 EMPTY SLOT 4 EMPTY	SLOT 1 EXISTING VIRTUAL METHOD B2 ADDR 124 SLOT 2 EMPTY ADDR 132 SLOT 3 EMPTY ADDR 132 VIRTUAL METHOD TABLE CLASS N SLOT 0 EXISTING VIRTUAL METHOD N1 ADDR 2992 SLOT 1 EXISTING VIRTUAL METHOD N2 ADDR 2996 SLOT 2 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 2 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 2 EXISTING VIRTUAL METHOD N3 ADDR 2996 SLOT 3 EMPTY ADDR 3000 SLOT 4 EMPTY ADDR 3100			SI OT 0	EXISTING VIRTUAL METHOD B1	ADDR 120	222
SLOT 2 SLOT 3 SLOT 3 EMPTY VIRTUAL METHOD TABLE CLASS N VIRTUAL METHOD TABLE CLASS N SLOT 0 SLOT 0 SLOT 1 SLOT 1 SLOT 2 SLOT 2 SLOT 3 EMPTY SLOT 3 SLOT 4 SLOT 3 SLOT 3	SLOT 2 SLOT 3 SLOT 3 EMPTY SLOT 0 EXISTING VIRTUAL METHOD N1 SLOT 1 SLOT 1 SLOT 2 EXISTING VIRTUAL METHOD N3 SLOT 2 SLOT 3 SLOT 3 EMPTY SLOT 4 EMPTY			SI OT 1	EXISTING VIRTUAL METHOD B2	ADDR 124	
SLOT 3 SLOT 3 WIRTUAL METHOD TABLE CLASS N SLOT 0 SLOT 1 SLOT 1 SLOT 2 EXISTING VIRTUAL METHOD N2 SLOT 2 SLOT 3 SLOT 3 SLOT 3 SLOT 3 SLOT 3 SLOT 4 EMPTY	SLOT 3 SLOT 0 SLOT 0 SLOT 0 SLOT 1 SLOT 1 SLOT 2 SLOT 3 SLOT 3 SLOT 3 SLOT 3 SLOT 4 SLOT 4 SLOT 4 EMPTY SLOT 4 EMPTY XXXX EMPTY		224	SLOT2	EMPTY	ADDR 128	
VIRTUAL METHOD TABLE CLASS N SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY	VIRTUAL METHOD TABLE CLASS N SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY SLOT 3 EMPTY SLOT 4 EMPTY XXXX EMPTY		226	SI OT 3	EMPTY	ADDR 132	
VIRTUAL METHOD TABLE CLASS N SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY / SLOT 4 EMPTY	VIRTUAL METHOD TABLE CLASS N SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY SLOT 3 EMPTY SLOT 4 EMPTY XXXX EMPTY						
SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY	SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY EMPTY SLOT 4 EMPTY XXXX EMPTY					A-206	
SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY EMPTY	SLOT 0 EXISTING VIRTUAL METHOD N1 / SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY EMPTY SLOT 4 EMPTY XXXX EMPTY SXXX			VIRTUAL N	IETHOD TABLE CLASS N	707	230
SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY	SLOT 1 EXISTING VIRTUAL METHOD N2 / SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY EMPTY EMPTY EMPTY EMPTY			SIOTO	EXISTING VIRTUAL METHOD N1	ADDR 2988	732
SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY (SLOT 4 EMPTY)	SLOT 2 EXISTING VIRTUAL METHOD N3 / SLOT 3 EMPTY EMPTY SLOT 4 EM			SI OT 1	EXISTING VIRTUAL METHOD N2	ADDR 2992	234
SLOT 4 EMPTY	SLOT 3 EMPTY SLOT 4 EMPTY XXXX EMPTY			SI OT 2	EXISTING VIRTUAL METHOD N3	ADDR 2996	<u>.</u>
SLOT 4 EMPTY	SLOT 4 EMPTY XXXX EMPTY		236	SLOTS	EMPTY	ADDR 3000	
	XXXX EMPTY		238	SLOT 4	EMPTY	ADDR 3004	
	XXXX EMPTY						25.0
FMPTY			250 -	>>>>	FMPTY	ADDR 3100	767

FIG. 12

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VIRTUAL METHOD TABLE CLASS A SLOT 0 EXISTING VIRTUAL METHOD A2 SLOT 1 EXISTING VIRTUAL METHOD A2 SLOT 2 EXISTING VIRTUAL METHOD A3 SLOT 3 EMPTY SLOT 0 EXISTING VIRTUAL METHOD B1 SLOT 0 EXISTING VIRTUAL METHOD B2 SLOT 1 EXISTING VIRTUAL METHOD B2 SLOT 2 EMPTY SLOT 3 EMPTY SLOT 0 EXISTING VIRTUAL METHOD N1 SLOT 0 EXISTING VIRTUAL METHOD N2 SLOT 0 EXISTING VIRTUAL METHOD N3 SLOT 1 EXISTING VIRTUAL METHOD N3 SLOT 1 EXISTING VIRTUAL METHOD N3 SLOT 2 EXISTING VIRTUAL METHOD N3 SLOT 3 NEW METHOD A4 SLOT 4 EMPTY SLOT 4 EMPTY SLOT 4 EMPTY SLOT 5 SLOT 6 SLOT 7 EXISTING VIRTUAL METHOD N3 SLOT 7 EXISTING VIRTUAL METHOD N3 SLOT 7 EMPTY SLOT 7 EXISTING VIRTUAL METHOD A4 SLOT 8 SLOT 4 EMPTY SLOT 7 EMPTY SLOT 7 EMPTY SLOT 7 EMPTY SLOT 7 EMPTY SLOT 8 SLOT 8 SLOT 9	02	ADDR 100 212 ADDR 104 214 ADDR 108 ADDR 112	ADDR 116 ► 204 ← 220	ADDR 120 ADDR 124 ADDR 128	ADDR 132	206	ADDR 2982 234 ADDR 2996 234	ADDR 3000 ADDR 3004	ADDR 3100
VIRTUAL METHOD TABLE CLASS A SLOT 0 EXISTING VIRTUAL METHOD SLOT 2 EXISTING VIRTUAL METHOD SLOT 3 EMPTY SLOT 4 EMPTY SLOT 6 EXISTING VIRTUAL METHOD SLOT 1 EXISTING VIRTUAL METHOD SLOT 2 EMPTY SLOT 2 EMPTY SLOT 3 EMPTY SLOT 3 EMPTY SLOT 4 EMPTY SLOT 6 EXISTING VIRTUAL METHOD SLOT 6 EXISTING VIRTUAL METHOD SLOT 6 EXISTING VIRTUAL METHOD SLOT 7 EXISTING VIRTUAL METHOD SLOT 6 EXISTING VIRTUAL METHOD SLOT 7 EXISTING VIRTUAL METHOD SLOT 8 EXISTING VIRTUAL METHOD SLOT 7 EXISTING VIRTUAL METHOD SLOT 3 NEW METHOD A4 SLOT 4 EMPTY SLOT 5 EXISTING VIRTUAL METHOD A4 SLOT 4 EMPTY SLOT 4 EMPTY SLOT 6 EXISTING VIRTUAL METHOD A4			ADDR 11		ADD				ADD 244
	ETHOD TABLE CLASS A	EXISTING VIRTUAL METHOD A EXISTING VIRTUAL METHOD A EXISTING VIRTUAL METHOD A EMPTY	EMPTY IETHOD TABLE CLASS B	EXISTING VIRTUAL METHOD EXISTING VIRTUAL METHOD EMPTY	EMPTY	AETHOD TABLE CLASS N	EXISTING VIRTUAL METHOD EXISTING VIRTUAL METHOD	NEW METHOD A4 EMPTY 2	
	VIRTUAL MI	SLOT 0 SLOT 1 SLOT 2	SLOT 4 VIRTUAL M	SLOT 0 SLOT 1	SLO12	VIRTUAL	SLOT 0 SLOT 1	SLO12 SLOT3 SLOT4	XXXX
MEM(216 - 224 - 226 - 236 - 238 - 238 - 250 - 250	MEMORY	216	218	224	226			236	250

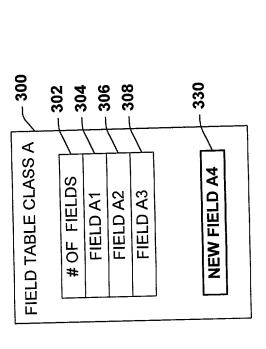
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OBJ A1
FIELD A1
314
FIELD A2
FIELD A3
OBJ A2
FIELD A1
324
FIELD A1
326
FIELD A2
FIELD A3
FIELD A3
FIELD A3
FIELD A3

FIG. 14

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OBJ A1

FIELD A1

FIELD A2

FIELD A3

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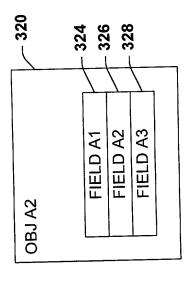
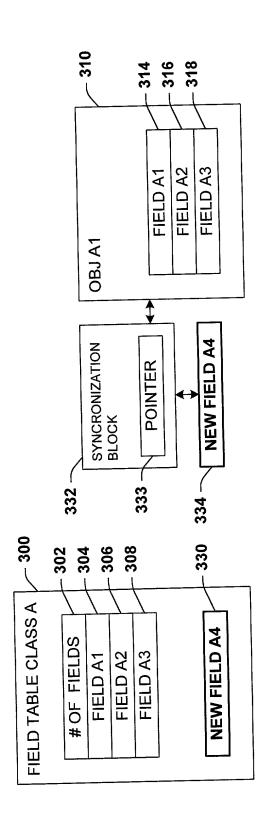


FIG. 15

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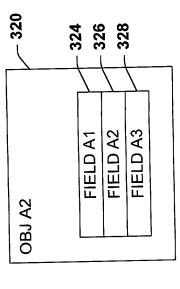


FIG. 16

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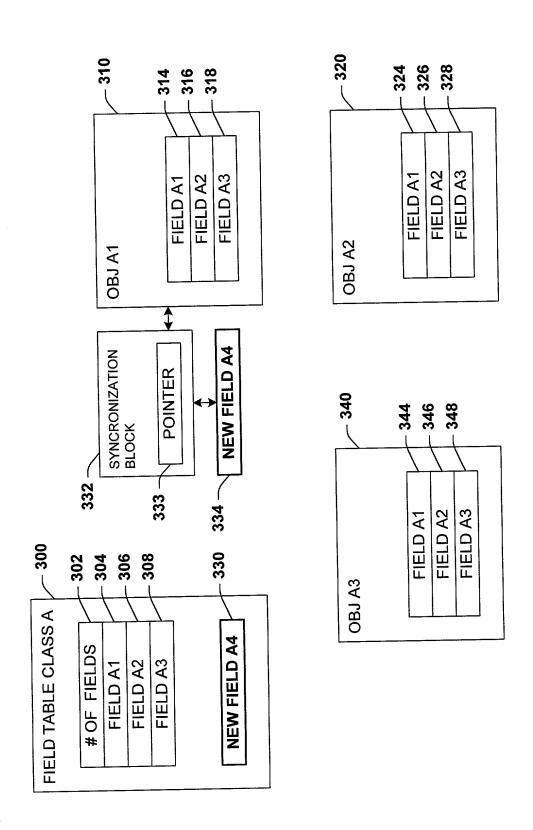


FIG. 17

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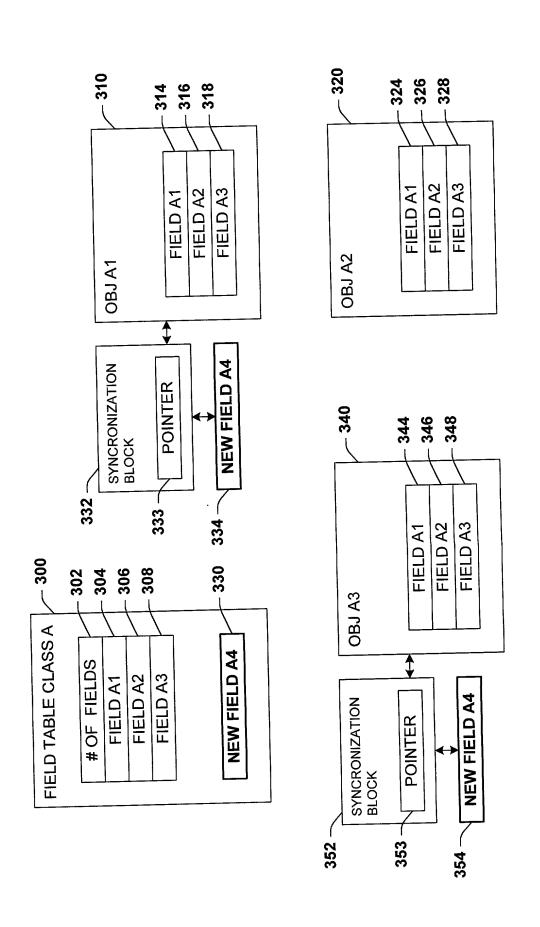
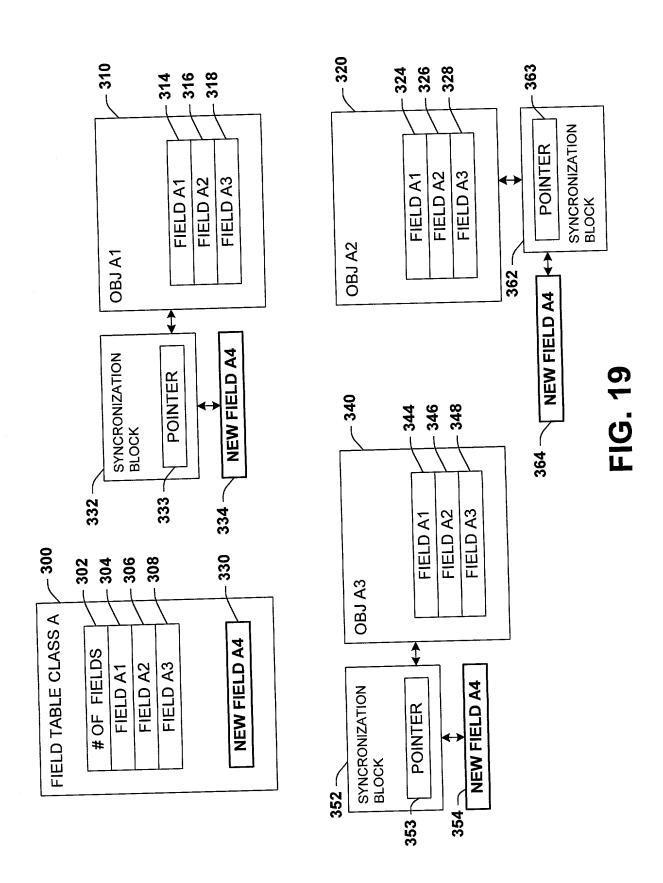
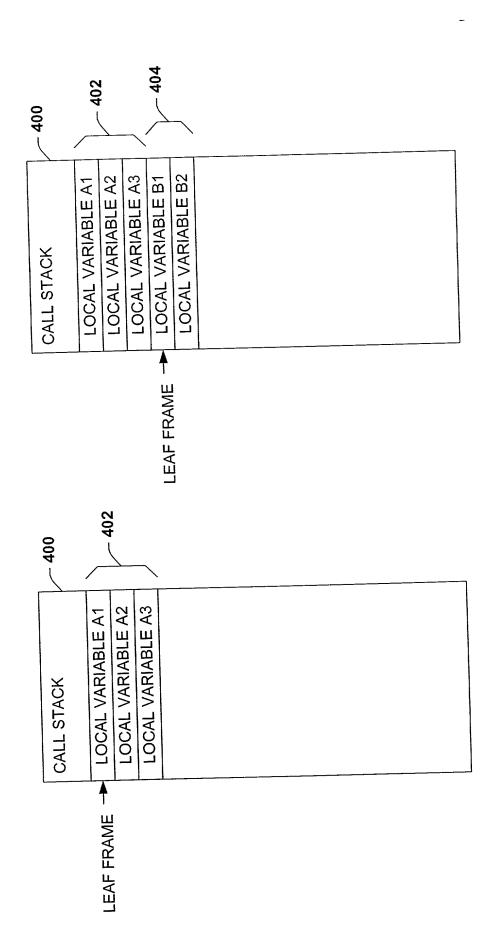


FIG. 18

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FIG. 21

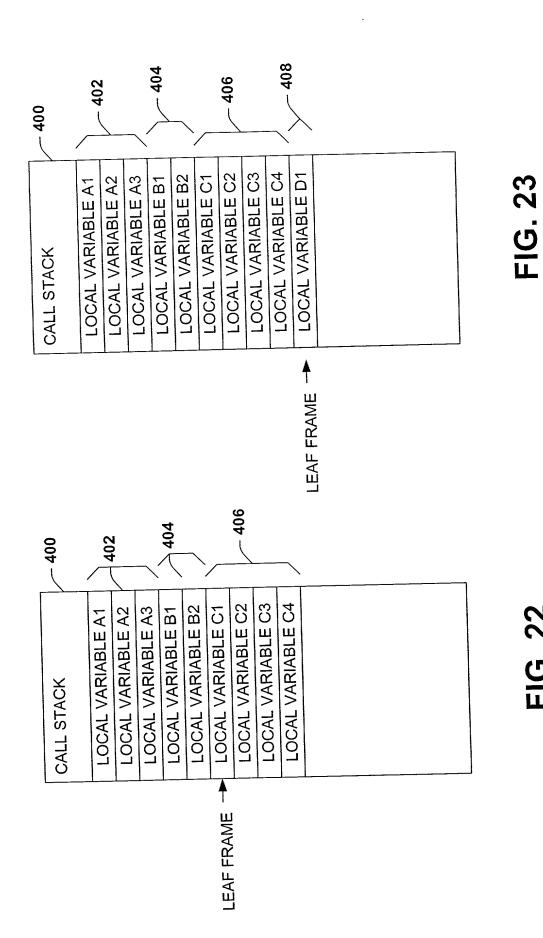


FIG. 22

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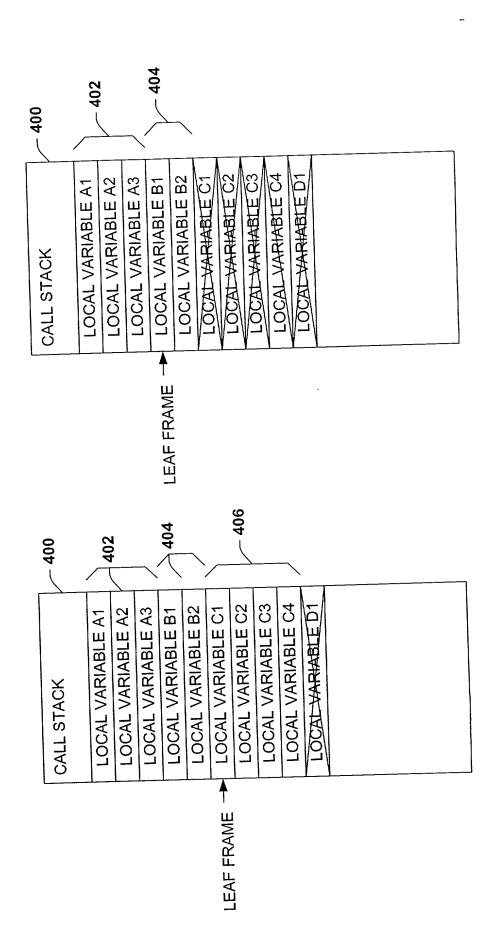
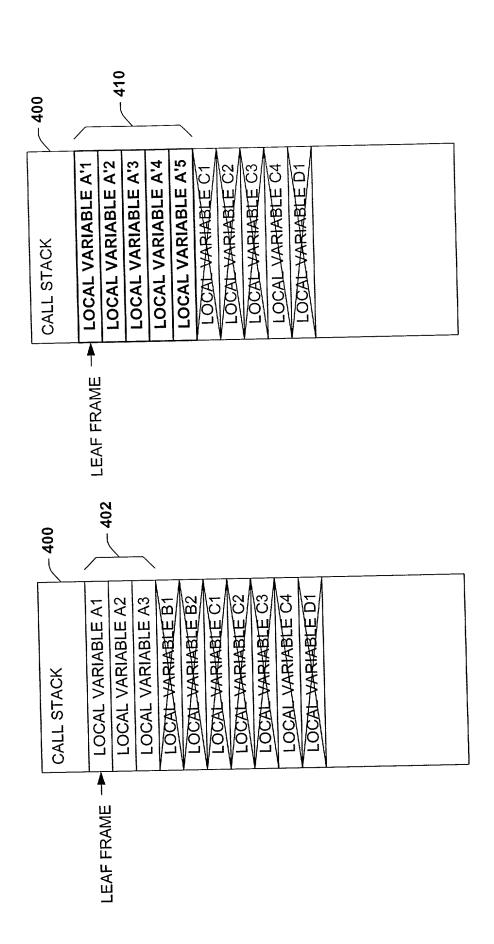


FIG. 24

FIG. 25



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FIG. 27

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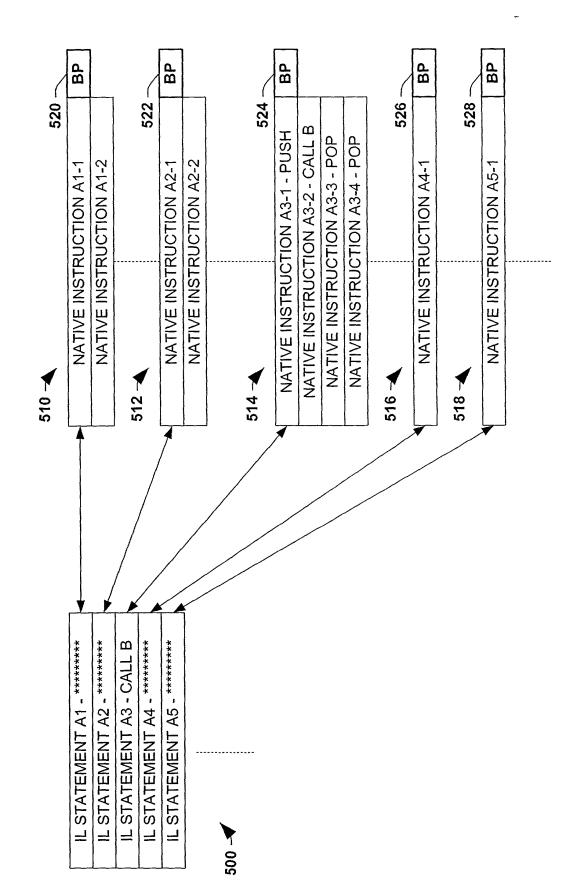


FIG. 28

